

WHAT IS CLAIMED IS:

1. A system for delivering to a subscriber a first signal that is subject to a right-of-way franchise fee, the system comprising:
 - (a) a central office located on a first side of a right-of-way;
 - (b) a multiplexer in communication with the central office,
wherein the central office transmits a second signal to the multiplexer, and
wherein the multiplexer is located on a second side of the right-of-way opposite the first side such that the second signal must cross the right-of-way to reach the multiplexer; and
 - (c) a wireless receiver located on the second side of the right-of-way,
wherein the wireless receiver receives the first signal and transmits the first signal to the multiplexer,
wherein the multiplexer combines the second signal and the first signal into a combined signal for routing to the subscriber, and
wherein the subscriber is located on the second side of the right-of-way.
2. The system of claim 1, further comprising an optical network unit in communication with the multiplexer,
wherein the optical network unit receives the combined signal from the multiplexer, separates the combined signal into the first signal and the second signal, and routes the first signal and the second signal to the subscriber.
3. The system of claim 1, wherein the first signal is a video signal, and the second signal is at least one of a telephony signal and a data signal.
4. The system of claim 1, wherein the first signal is at least one of a telephony signal and a data signal, and the second signal is a video signal.

5. The system of claim 1, wherein the wireless receiver receives the first signal as an electronic signal and converts the electronic signal to a fiber optic signal to deliver the first signal through a fiber optic strand to the multiplexer.
6. The system of claim 1, wherein the wireless receiver is one of a satellite dish and a radio receiver.
7. The system of claim 1, wherein the multiplexer is a wave division multiplexer.
8. The system of claim 1, wherein the first signal is transmitted over a first wavelength and wherein the second signal is transmitted over a second wavelength that is different from the first wavelength.
9. The system of claim 8, wherein the first signal is a video signal transmitted over a 1550-nanometer wavelength and the second video signal is at least one of a telephony signal and a data signal transmitted over a 1310-nanometer wavelength.
10. The system of claim 1, wherein the right-of-way franchise fee is imposed by a local governing authority.
11. A method for delivering to a subscriber a first signal that is subject to right-of-way franchise fees, wherein the method comprises the steps of:
 - (a) transmitting a second signal from a first side of the right-of-way, through the right-of-way, and to a second side of the right-of-way, wherein the first side is opposite the second side;
 - (b) receiving via a wireless communication the first signal on the second side of the right-of-way such that the first signal does not pass through the right-of-way;
 - (c) combining the first signal and the second signal into a combined signal on the second side of the right-of-way;

- (d) routing the combined signal in the direction of the subscriber, wherein the subscriber is on the second side of the right-of-way;
- (e) separating the combined signal into the first signal and the second signal; and
- (f) routing the first signal and the second signal to the subscriber.

12. The method of claim 11, wherein the wireless communication is satellite communication, and wherein the step of receiving the first signal comprises receiving the first signal with a satellite receiver located on the second side of the right-of-way.

13. The method of claim 11, wherein the step of combining the first signal and the second signal comprises receiving the first signal and the second signal at a wave division multiplexer and multiplexing the first signal with the second signal using the wave division multiplexer.

14. The method of claim 13, wherein the step of routing the combined signal comprises routing the combined signal from the wave division multiplexer to a splitter that is in communication with the subscriber.

15. The method of claim 11, wherein the step of separating the combined signal comprises transmitting the combined signal to a wave division de-multiplexer that separates the combined signal into the first signal and the second signal.

16. The method of claim 14, wherein the splitter includes a wave division de-multiplexer, and the step of separating the combined signal comprises separating the combined signal with the wave division de-multiplexer.

17. The method of claim 11, wherein the step of receiving the first signal comprises receiving the first signal as an electronic signal and converting the first signal from the electronic signal to a fiber optic signal.

18. The method of claim 11, wherein the first signal is a video signal, and the second signal is at least one of a telephony signal and a data signal.

19. The method of claim 11, wherein the first signal is at least one of a telephony signal and a data signal, and the second signal is a video signal.

20. A method for delivering to a subscriber a first signal that is subject to right-of-way franchise fees, wherein the method comprises the steps of:

(a) transmitting a second signal from a central office through a right-of-way to a multiplexer, wherein the central office is located on a first side of the right-of-way and the multiplexer is located on a second side of the right-of-way opposite the first side;

(b) receiving the first signal at a wireless receiver located on the second side of the right-of-way;

(c) transmitting the first signal from the wireless receiver to the multiplexer without crossing the right-of-way;

(d) combining the first signal and the second signal into a combined signal at the multiplexer;

(e) routing the combined signal from the multiplexer to a local terminal that is located on the second side of the right-of-way;

(f) separating the combined signal into the first signal and the second signal at the local terminal; and

(g) routing the first signal and the second signal from the local terminal to the subscriber, wherein the subscriber is located on the second side of the right-of-way.

21. The method of claim 20, wherein the wireless receiver is a satellite receiver and the step of receiving the first signal comprises receiving the first signal in a satellite communication and converting the first signal from an electronic signal to a fiber optic signal.

22. The method of claim 20, wherein the multiplexer is a wave division multiplexer.

23. The method of claim 20, wherein a wave division de-multiplexer of the local terminal separates the combined signal.

24. The method of claim 20, wherein the first signal is a video signal, and the second signal is at least one of a telephony signal and a data signal.

25. The method of claim 20, wherein the first signal is at least one of a telephony signal and a data signal, and the second signal is a video signal.

26. A system for delivering to a subscriber a first signal that is subject to right-of-way franchise fees, wherein the system comprises:

(a) means for transmitting a second signal from a first side of the right-of-way, through the right-of-way, and to a second side of the right-of-way, wherein the first side is opposite the second side;

(b) means for receiving via a wireless communication the first signal on the second side of the right-of-way such that the first signal does not pass through the right-of-way;

(c) means for combining the first signal and the second signal into a combined signal on the second side of the right-of-way;

(d) means for routing the combined signal in the direction of the subscriber, wherein the subscriber is on the second side of the right-of-way;

(e) means for separating the combined signal into the first signal and the second signal; and

(f) means for routing the first signal and the second signal to the subscriber.

27. The method of claim 26, wherein the first signal is a video signal, and the second signal is at least one of a telephony signal and a data signal.

28. The method of claim 26, wherein the first signal is at least one of a telephony signal and a data signal, and the second signal is a video signal.